THE CANADIAN ENTOMOLOGIST

Index to Volume 126 (1994)

SUPPLEMENTS AND MEMOIRS

THE ENTOMOLOGICAL SOCIETY OF CANADA, OTTAWA

Adler, P.H. See McCreadie et al., 23.
Anderson, R.S., and A.T. Howden. *Tichius melliloti* Stephens new to Canada with a brief review of the species of *Tychius* Germar introduced into North America (Coleoptera: Curculionidae), 1363.
Anderson, R.S., and S.B. Peck. Origin and biogeography of the weevils of southern Florida (Coleoptera: Curculionidae), 819.
André, M. See Lévieux et al., 929.
Ashe, J.S. Evolution of aedeagal parameres of aleocharine staphylinids (Coleoptera: Staphylinidae: Aleocharinae), 475.
Barron, J. A new species of the *Perilissus anatinus* species group and notes on the relationships of the species groups of *Perilissus* (Hymenoptera, Ichneumonidae, Ctenopelmatinae), 219.
Batzer, D.P., and S.R. Ranta. Adult eclosion of *Coquillettidia perturbans* (Walker) (Diptera: Culicidae) in Minnesota, 231.
Behan-Pelletier, V. *Mycobates* (Acari: Oribatida: Mycobatidae) of America north of Mexico, 1301.
Bell, R.T. Beetles that cannot bite: Functional morphology of the head of adult rhysodines (Coleoptera: Carabidae or Rhysodidae), 667.
Bodnaryk, R.P. See Palaniswamy and Bodnaryk, 1119.
Borden, J.H. See Camacho and Borden, 43.
See Poland and Borden, 269.
See Smith et al., 445.
Borkent, A., and D.A. Craig. The structure and function of the abdominal eversible sacs of female *Bezzia varicolor* (Coquillett) (Ceratopogonidae: Diptera), 533.
Brown, B.V. Descriptions and subfamily classification of some unusual Phoridae (Diptera), 703.
Brown, T.M. See Leech and Brown, 187.
Burd, J.D. See Elliott et al., 1515.
Burts, E.C. See Horton et al., 111.
Byers, G.W. Mexican species of *Kalobittacus* Esben-Petersen (Mecoptera: Bittacidae), 1093.
Byers, J.R. See Yu and Byers, 291.
Camacho, A.D., and J.H. Borden. Response of the western balsam bark beetle, *Dryocoetes confusus* Swaine (Coleoptera: Scolytidae), to host trees baited with enantiospecific blends of *exo-* and *endo-*brevicomin, 43.
Cardé, R.I. See Kuenen et al., 31.
Cassier, P. See Lévieux et al., 929.
Cerezke, H.F. Warren rootcollar weevil, *Hylobius warreni* Wood (Coleoptera: Curculionidae), in Canada: Ecology, behavior, damage relationships, and management, 1383.
Cigliano, M.M. See Kemp and Cigliano, 1075.
Colbo, M.H. See McCreadie et al., 23.
See Martin et al., 283.
Colineau, B., and F. Lieutier. Production of *Ophiostoma*-free adults of *Ips sexdentatus* Boern. (Coleoptera: Scolytidae) and comparison with naturally contaminated adults, 103.
Cook, D.R. See Smith and Cook, 1131.
Coop, L.B. See Horton et al., 111.
Cossentine, J.E. See Judd et al., 1263.
Cowle, N.T. See Dosdall et al., 251.
Craig, D.A. See Borkent and Craig, 533.
Croft, B.A. See Horton et al., 111.
Cumming, J.M. Sexual selection and the evolution of dance fly mating systems (Diptera: Empididae; Empidinae), 907.
Currie, R.W. See Naumann et al., 225.
Dillon, M.E. See Oliver and Dillon, 199.
Dixon, P.L. See West et al., 7.
Dixon, P.L., and A.D. Knowlton. Post-harvest recovery of *Rhagoletis mendax* Curran (Diptera: Tephritidae) from lowbush blueberry fruit, 121.
Dornan, A.P., J.G. Stewart, and M.K. Sears. An action threshold for control of lepidopterous pests of cabbage in Prince Edward Island, 379.
Application of the Cabbage Looper Equivalent model to lepidopterous pests of Brussels sprouts in Prince Edward Island, 961.
Dosdall, L.M. Evidence for successful overwintering of diamondback moth, *Plutella xylostella* (L.) (Lepidoptera: Plutellidae), in Alberta, 183.
Dosdall, L.M., M.J. Herbut, and N.T. Cowle. Susceptibilities of species and cultivars of canola and mustard to infestation by root maggots (*Delia* spp.) (Diptera: Anthomyiidae), 251.
Dumouchel, L. See Goulet and Dumouchel, 729.
Elliott, N.C. See Kieckhefer et al., 61.
Elliott, N.C., B.W. French, D.K. Reed, J.D. Burd, and S.D. Kindler. Host species effects on parasitization by a Syrian population of *Diaeretiella rapae* M'Intosh (Hymenoptera: Aphidiidae), 1515.

Erwin, T.L. Arboreal beetles of tropical forests: The Xystosomi group, subtribe Xystosomina (Coleoptera: Carabidae: Bembidiini). Part I. Character analysis, taxonomy, and distribution, 549.

Fidgen, J.G., C.R. Teerling, and M.L. McKinnon. Intra- and inter-crown distribution of the eastern spruce gall adelgid, *Adelges abietis* (L.), on young white spruce, 1105.

Frania, H.E. Phylogeny and biogeography of *Eustilicus* Sharp (Coleoptera: Staphylinidae: Paederinae): Re-evaluation based upon a new and relict species from the Edwards Plateau of Texas, 493.

Frank, J.H., and M.C. Thomas. *Metamasius callizona* (Chevrolat) (Coleoptera: Curculionidae), an immigrant pest, destroys bromeliads in Florida, 673.

Frazer, B.D., and R.D. McGregor. Searching behaviour of adult female Coccinellidae (Coleoptera) on stem and leaf models, 389.

French, B.W. See Elliott et al., 1515.

Fuller, B.W. See Kieckhefer et al., 61.

García, J.L., and L. Masner. A redefinition of *Aradophagus* (Hymenoptera: Scelionida), with a key to described species, 67.

Gardiner, M.G.T. See Judd et al., 1263.

Gassmann, A. See Shorthouse and Gassmann, 193.

Gaul, S.O. See Smith et al., 445.

Gillespie, R.L., and W.P. Kemp. Comparison of age structure of three *Melanoplus* spp. (Orthoptera: Acrididae) in winter wheat and adjacent rangeland, 1277.

Goulet, H., and L. Dumouchel. Taxonomy, variation, and zoogeography of *Tenthredo maxima* (Norton) (Hymenoptera: Tenthredinidae), 729.

Gray, T.G., and A.I. Ibaraki. An economical cage for confining and collecting emerging insects and their parasites, 447.

Griffiths, G.C.D. Relationships among the major subgroups of Brachycera (Diptera): A critical review, 861.

Guillaumin, D. See Lévieux et al., 929.

Haverty, M.I. See Rappaport et al., 1.

Heming, B.S. See Spence and Heming, 449.

Herbut, M.J. See Dosdall et al., 251.

Hiscock, K. See West et al., 7.

Hobson, K.R., J.R. Parmeter, Jr., and D.L. Wood. The role of fungi vectored by *Dendroctonus brevicomis* LeConte (Coleoptera: Scolytidae) in occlusion of ponderosa pine xylem, 277.

Horton, D.R., E.C. Burts, T.R. Unruh, J.L. Krysan, L.B. Coop, and B.A. Croft. Phenology of fall dispersal by winterform pear psylla (Homoptera: Psyllidae) in relation to leaf fall and weather, 111.

Howden, A.T. See Anderson and Howden, 1363.

Humble, L.M. Recovery of additional exotic predators of balsam woolly adelgid, *Adelges piceae* (Ratzeburg) (Homoptera: Adelgidae), in British Columbia, 1101.

Ibaraki, A.I. See Gray and Ibaraki, 447.

Isman, M.B. See Naumann et al., 225.

Javahery, M. Development of eggs in some true bugs (Hemiptera-Heteroptera). Part I. Pentatomoidea, 401.

Judd, G.J.R., J.E. Cossentine, M.G.T. Gardiner, and N.D.R. Thomson. Temperature-dependent development of the speckled green fruitworm, *Orthosia hibisci* Guenee (Lepidoptera: Noctuidae), 1263.

Kathirithamby, J., and S.B. Peck. Strepsiptera of south Florida and the Bahamas with the description of a new genus and new species of Corioxenidae, 125.

Kaya, H.K. See Thurston and Kaya, 261.

Kemp, W.P. See Gillespie and Kemp, 1277.

Kemp, W.P., and M.M. Cigliano. Drought and rangeland grasshopper species diversity, 1075.

Kieckhefer, R.W., N.C. Elliott, W.E. Riedell, and B.W. Fuller. Yield of spring wheat in relation to level of infestation by greenbugs (Homoptera: Aphididae), 61.

Kindler, S.D. See Elliott et al., 1515.

Knowlton, A.D. See Dixon and Knowlton, 121.

Krafsur, E.S., R.D. Moon, and T.J. Lysyk. Adult age and reproductive success in stable fly populations (Diptera: Muscidae), 239.

Krysan, J.L. See Horton et al., 111.

Kuenen, L.P.S., D.L. Wagner, W.E. Wallner, and R.T. Cardé. Female sex pheromone in *Korscheltellus gracilis* (Grote) (Lepidoptera: Hepialidae), 31.

Landry, J.-F. Resource partitioning in a guild of marsh-dwelling *Agonum* (Coleoptera: Carabidae) in Alberta, 709.

Two new species of metallic-green *Coleophora* Hübner (Lepidoptera: Coleophoridae) from the Nearctic region, and first records of *C. mayrella* (Hübner) from South America, 1185.

Larivière, M.-C. Biodiversity of *Nabicula* Kirby species (Hemiptera: Nabidae) in Canada: Faunistic review, bioecology, biogeography, 327.

Parabrochymena Larivière (Hemiptera: Pentatomidae): Systematics, natural history, chorological affinities, and evolutionary relationships, with a biogeographic analysis of *Parabrochymena* and *Brochymena* Amyot and Audinet-Serville, 1193.

Larson, D.J. Revision of North American *Agabus* Leach (Coleoptera: Dytiscidae): *lutosus*-, *obsoletus*-, and *fuscipennis*-groups, 135.

Larson, D.J., and R.I. Storey. *Carabhydrus mubboonus*, a new species of rheophilic water beetle (Coleoptera: Dytiscidae) from Queensland, Australia, 895.

Lawrence, J.F. See Moore and Lawrence, 503.

Leech, R. Word clones, or Ball words, in English usage, 921.

Leech, R., and T.M. Brown. The first Alberta record for *Cheiracanthium inclusum* (Hentz) (Araneida: Clubionidae), with observations on a human bite reaction, 187.

Lévieux, J., D. Piou, P. Cassier, M. André, and D. Guillaumin. Association of phytopathogenic fungi for the Scots pine (*Pinus sylvestris* L.) with the European pine weevil *Hylobius abietis* (L.) (Col. Curculionidae), 929.

Liebherr, J.K. Biogeographic patterns of montane Mexican and Central American Carabidae (Coleoptera), 841.

Lieutier, F. See Colineau and Lieutier, 103.

Lim, K.P. See West et al., 7.

Lysyk, T.J. See Krafsur et al., 239.

Lysyk, T.J., and R.D. Moon. Diapause induction in the horn fly (Diptera: Muscidae), 949.

Madge, R.B. Who was Herschel?, 543.

Manville, J.F. See Sahota et al., 1067.

Marshall, D.B., D.J. Pree, B.D. McGarvey, and H.M.A. Thistlewood. Effects of application date on the persistence of clofentezine residues: Implications for management of resistance in the European red mite, 937.

Marshall, L.D. Emergence behaviour, sex ratios, and the timing of eclosion in *Parapediasia teterrella* (Lepidoptera: Pyralidae), 925.

Martin, F.R., J.W. McCreadie, and M.H. Colbo. Effect of trap site, time of day, and meteorological factors on abundance of host-seeking mammalophilic black flies (Diptera: Simuliidae), 283.

Masner, L. See García and Masner, 67.

The Nearctic species of *Holoteleia* Kieffer (Hymenoptera: Scelionidae), 75.

McCreadie, J.W. See Martin et al., 283.

McCreadie, J.W., P.H. Adler, and M.H. Colbo. Cytogenetics of the *Simulium venustum/verecundum* complex (Diptera: Simuliidae) on the Avalon Peninsula, Newfoundland, 23.

McFadden, M.W., and J.K. Parker. Human values and biological diversity: Are we wasting *our* time?, 471.

McGarvey, B.D. See Marshall et al., 937.

McGregor, R.D. See Frazer and McGregor, 389.

McKinnon, M.L. See Fidgen et al., 1105.

Moon, R.D. See Krafsur et al., 239.

See Lysyk and Moon, 949.

Moore, B.P., and J.F. Lawrence. The extraordinary larval characters of *Carenum* Bonelli and their bearing on the phylogeny of the Scarititae (Coleoptera: Carabidae), 503.

Naumann, K., R.W. Currie, and M.B. Isman. Evaluation of the repellent effects of a neem insecticide on foraging honey bees and other pollinators, 225.

Niemelä, J.K. See Spence and Niemelä, 881.

Nieto Nafría, J.M. See Tizado and Nieto Nafría, 1251.

O'Hara, J.E. Revision of Nearctic species of *Ceromya* Robineau-Desvoidy (Diptera: Tachinidae), 775.

Oliver, D.R., and M.E. Dillon. Systematics of some species of *Micropsectra* (Diptera: Chironomidae) living in low-order streams in southern Ontario, Canada, 199.

Ostaff, D.P., and D.T. Quiring. Seasonal distribution of adult eclosion, oviposition, and parasitism and predation of eggs of the spruce bud moth, *Zeiraphera canadensis* (Lepidoptera: Tortricidae), 995.

Palaniswamy, P., and R.P. Bodnaryk. A wild *Brassica* from Sicily provides trichome-based resistance against flea beetles, *Phyllotreta cruciferae* (Goeze) (Coleoptera: Chrysomelidae), 1119.

Parker, J.K. See McFadden and Parker, 471.

Parmeter, J.R. See Hobson et al., 277.

Peck, S.B. See Kathirithamby and Peck, 125.

See Anderson and Peck, 819.

Perrault, G.C. Studies on Neotropical Scaritini. II. Forcipatorina and Clivinina limits, with description of new genera (Coleoptera: Carabidae), 683.

Pierce, H.D., Jr. See Smith et al., 445.

Pike, E.M. Historical changes in insect community structure as indicated by hexapods of Upper Cretaceous Alberta (Grassy Lake) amber, 695.

Piou, D. See Lévieux et al., 929.

Poinar, G.O. See Vickery and Poinar, 13.

Poland, T.M., and J.H. Borden. Semiochemical-based communication in interspecific interactions between *Ips pini* (Say) and *Pityogenes knechteli* (Swaine) (Coleoptera: Scolytidae) in lodgepole pine, 269.

Pollock, D.A. Systematic position of Pilipalpinae (Coleoptera: Tenebrionoidea) and composition of Pyrochroidae, 515.

Pree, D.J. See Marshall et al., 937.

Pree, D.J., R.M. Trimble, K.J. Whitty, and P.M. Vickers. Control of Oriental fruit moth by mating disruption using sex pheromone in the Niagara Peninsula, Ontario, 1287.
Quednau, F.W. See West et al., 7.
Taxonomic notes on the genus *Neosymydobius* Baker with descriptions of five new species (Homoptera: Aphididae), 1443.
Quednau, F.W., and G. Remaudière. Le genre *Myzocallis* Passerini, 1860: Classification mondiale des sous-genres et nouvelles espèces paléarctiques (Homoptera: Aphididae), 303.
Quiring, D.T. See Ostaff and Quiring, 995.
Ranta, S.R. See Batzer and Ranta, 231.
Rappaport, N.G., M.I. Haverty, P.J. Shea, and R.E. Sandquist. Efficacy of esfenvalerate for control of insects harmful to seed production in disease-resistant western white pines, 1.
Rappaport, N.G., and D.L. Wood. *Pityophthorus orarius* Bright (Coleoptera: Scolytidae) in a northern California Douglas-fir seed orchard: Effect of clone, tree vigor, and cone crop on rate of attack, 1111.
Reed, D.K. See Elliott et al., 1515.
Remaudière, G. See Quednau and Remaudière, 303.
Riedell, W.E. See Kieckhefer et al., 61.
Sahota, T.S., J.F. Manville, and E. White. Interaction between Sitka spruce weevil and its host, *Picea sitchensis* (Bong) Carr.: A new mechanism for resistance, 1067.
Sandquist, R.E. See Rappaport et al., 1.
Schwartz, M.D. Review of the genus *Salignus* Kelton and a character discussion of related genera (Heteroptera: Miridae: Mirinae), 971.
Sears, M.K. See Dornan et al., 379.
See Dornan et al., 961.
Shea, P.J. See Rappaport et al., 1.
Shorthouse, J.D., and A. Gassmann. Gall induction by *Pegomya curticornis* (Stein) (Diptera: Anthomyiidae) within the roots of spurges *Euphorbia virgata* Waldst. and Kit. and *E. esula* L. (Euphorbiaceae), 193.
Sinclair, B.J. Revision of the Nearctic species of *Trichoclinocera* Collin (Diptera: Empididae; Clinocerinae), 1007.
Smith, I.M., and D.R. Cook. North American species of Neomamersinae Lundblad (Acari: Hydrachnida: Limnesiidae), 1131.
Smith, R.F., S.O. Gaul, J.H. Borden, and H.D. Pierce, Jr. Evidence for a sex pheromone in the apple brown bug, *Atractotomus mali* (Meyer) (Heteroptera: Miridae), 445.
Spanton, T.G. Vicariance events in the biogeographical history of *Panscopus* Schönherr weevils in North America (Coleoptera: Curculionidae: Entiminae), 457.
Spence, J.R., and B.S. Heming. Introduction to the symposium, 449.
Spence, J.R., and J.K. Niemelä. Sampling carabid assemblages with pitfall traps: The madness and the method, 881.
Sperling, F.A.H. Sex-linked genes and species differences in Lepidoptera, 807.
Stewart, J.G. See Dornan et al., 379.
See Dornan et al., 961.
Storey, R.I. See Larson and Storey, 895.
Sweeney, J.D., and J.J. Turgeon. Life cycle and phenology of a cone maggot, *Strobilomyia appalachensis* Michelsen (Diptera: Anthomyiidae), on black spruce, *Picea mariana* (Mill.) B.S.P., in eastern Canada, 49.
Teerling, C.R. See Fidgen et al., 1105.
Thistlewood, H.M.A. See Marshall et al., 937.
Thomas, M.C. See Frank and Thomas, 673.
Thomson, N.D.R. See Judd et al., 1263.
Thurston, G.S., and H.K. Kaya. Physical stressors affecting interactions of *Spodoptera exigua* (Hübner) (Lepidoptera: Noctuidae) and an entomopathogenic nematode, 261.
Tizado, E.J., and J.M. Nieto Nafría. A new species of *Uroleucon* (Hom. Aphididae) on *Andryala* spp.: A multivariate analysis, 1251.
Trimble, R.M. See Pree et al., 1287.
Turgeon, J.J. See Sweeney and Turgeon, 49.
Turnbull, S.A. See Turnock and Turnbull, 1369.
Turnock, W.J., and S.A. Turnbull. The development of resistance to insecticides by the crucifer flea beetle, *Phyllotreta cruciferae* (Goeze), 1369.
Unruh, T.R. See Horton et al., 111.
van Frankenhuyzen, K. Effect of temperature on the pathogenesis of *Bacillus thuringiensis* Berliner in larvae of the spruce budworm, *Choristoneura fumiferana* Clem. (Lepidoptera: Tortricidae), 1061.
Vickers, P.M. See Pree et al., 1287.
Vickery, V.R. Additional information on *Timema* species, 443.
Vickery, V.R., and G.O Poinar. Crickets (Grylloptera: Grylloidea) in Dominican amber, 13.
Wagner, D.L. See Kuenen et al., 31.
Wallner, W.E. See Kuenen et al., 31.

West, R.J., P.L. Dixon, F.W. Quednau, K.P. Lim, and K. Hiscock. Establishment of *Olesicampe geniculatae* Quednau and Lim (Hymenoptera: Ichneumonidae) to control the mountain ash sawfly, *Pristophora geniculata* (Hartig) (Hymenoptera: Tenthredinidae), in Newfoundland, 7.

Wheeler, T.A. A new species of *Neomeoneurites* Hennig (Diptera: Carnidae) from Argentina, with a discussion of male postabdominal structure in the genus, 435.

Conioscinella zetterstedti Andersson (Diptera: Chloropidae), a chloropid fly with polymorphic wing reduction, new to the Nearctic and central Palaearctic regions, 1377.

White, E. See Sahota et al., 1067.

Whitty, K.J. See Pree et al., 1287.

Wood, D.L. See Hobson et al., 277.

See Rappaport and Wood, 1111.

Yu, D.S., and J.R. Byers. Inundative release of *Trichogramma brassicae* Bezdenko (Hymenoptera: Trichogrammatidae) for control of European corn borer in sweet corn, 291.